


**CITY OF HUNTINGTON BEACH
PUBLIC WORKS COMMISSION
REQUEST FOR ACTION**

Item No. PWC 10-15

SUBMITTED TO: Chairman Siersema and Members of the Commission

SUBMITTED BY: Travis K. Hopkins, PE, Director of Public Works 

DATE: May 19, 2010

SUBJECT: Water Main Replacement project, Various Locations
Downtown, CC1361

Statement of Issue: Plans and specifications for the Water Main Replacement project, Various Locations Downtown, are in final preparation. Staff is seeking support for the project and the initiation of the competitive bid process.

Funding Source: Funds in the amount of \$1,600,000 are budgeted in the Water Master Plan, Water Main Replacements, Account No. 50791006.82100.

Impact on Future Maintenance Costs: This project will replace 75 year old steel and cast iron pipelines. The maintenance cost for these new pipelines will be substantially lower than for lines at the end of their functional life.

Recommended Action: Motion to recommend to the City Council, the Water Main Replacement project, Various Locations Downtown, CC1361.

Alternative Action(s): Deny approval and recommend an alternative action.

Analysis: In Chapter 7, Project No. 17 of the approved 2005 Water Master Plan and Financing Plan for the City of Huntington Beach recommends "To increase distribution system capacity and reliability, the City will continue to replace cast iron pipe in the distribution system with new water mains made of non-corrosive materials. " The goal is to systematically replace all unlined cast iron pipe. Unlined cast iron pipe is subject to both internal and external corrosion. Internal corrosion reduces the water main inside diameter, and external corrosion reduces water main reliability. This is the final phase of distribution water main replacement in Downtown Huntington Beach.

This project will replace approximately 3900 lineal feet of 6-inch, 8-inch, and 12-inch diameter pipeline. A standard service life cycle for new buried pipelines is 100 years. The estimated service life for valves, air vacuum valves and other buried appurtenances is approximately 50 years.

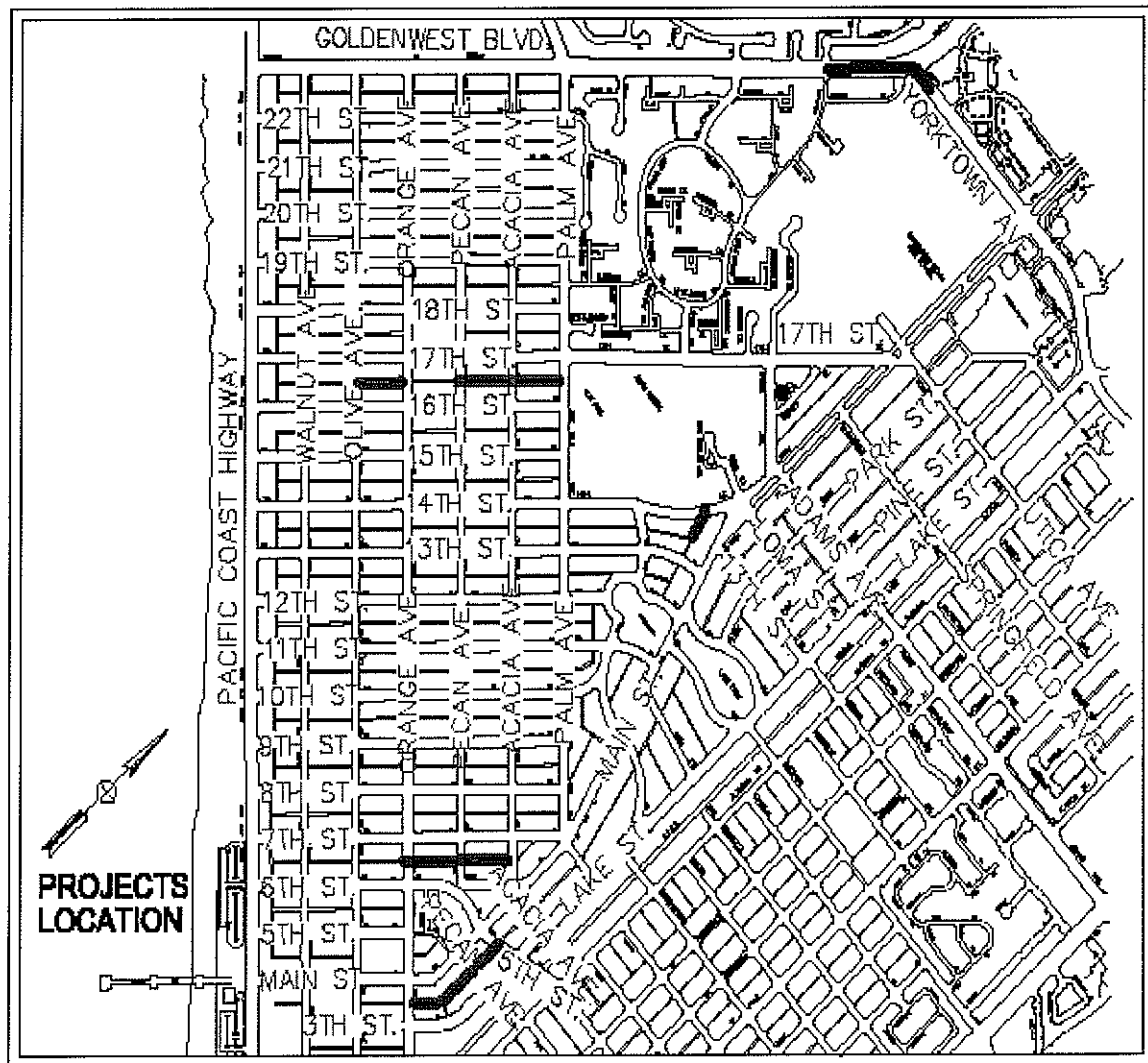
Water Main Replacement Project, CC-1361

Location	Length (Feet) / Diameter (Inch)	Engineer's Estimate
Alley Between 16 th and 17 th , bounded by Pecan and Palm	841 Feet / 8-Inch	\$337,000
Alley Between 16 th and 17 th , bounded by Olive and Orange	438 Feet / 8-Inch	\$175,000
Alley Between 6 th and 7 th , bounded by Orange and Acacia	781 Feet / 8-Inch	\$312,000
Alley Between Lake and Main, bounded by Orange and 6 th	821 Feet / 8-Inch	\$328,000
Alley West of Main, bounded by 13 th and 14 th	246 Feet / 8-Inch	\$99,000
Goldenwest at Palm	198 Feet / 12-Inch	\$91,000
Goldenwest at Deep Harbor Lane	72 Feet / 8-Inch	\$29,000
Goldenwest between Cambria and Little Harbor	379 Feet / 8-Inch	\$152,000
Goldenwest at Yorktown	166 Feet / 12-Inch	\$77,000

Total Construction Cost = \$1,600,000

Attachments: Location Map

ATTACHMENT #1



VICINITY MAP

NOT TO SCALE

CC1361 – Water Main Replacement Project in Various Locations Downtown